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Figure 1

MADSSEGPRAGPGEVAELPGDESGTPGGEAFPLSSLANLFEGED  
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GSTADLDGLLPFLlTHKKRLTDEEFREPSTGKTCLPKALLNLSNGRNDTIPVLLDIAE  
RTGNMREFINSPPFDIYYRGQTALHIAIERRCKHYVELLVAQGADVHAQARGRFFQPK  
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ILDIERSPVFLRKAFRSGEMVTVGKSSDGTpDRRWCFRVNEVNWSHWNQNLGIINED  
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Figure 2

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Figure 3

MADSSEGPRAGPGEVAELPGDESGTPGGEAFPLSSLANL  
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MGDLEMLSSTKYPVVFIIILLVYIIILTFVLLNMLIALMGETVGQVSKESKHIWKLQWATTILDIERSFPVFLRKAFRSG  
EMVTVGKSSDGTDDRWCVRVDEVNWSHWNLGIINEDPGKNETYQYYGFSHTVGRLLRRDRWSSVVRVVELNKNNSNP  
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Figure 4

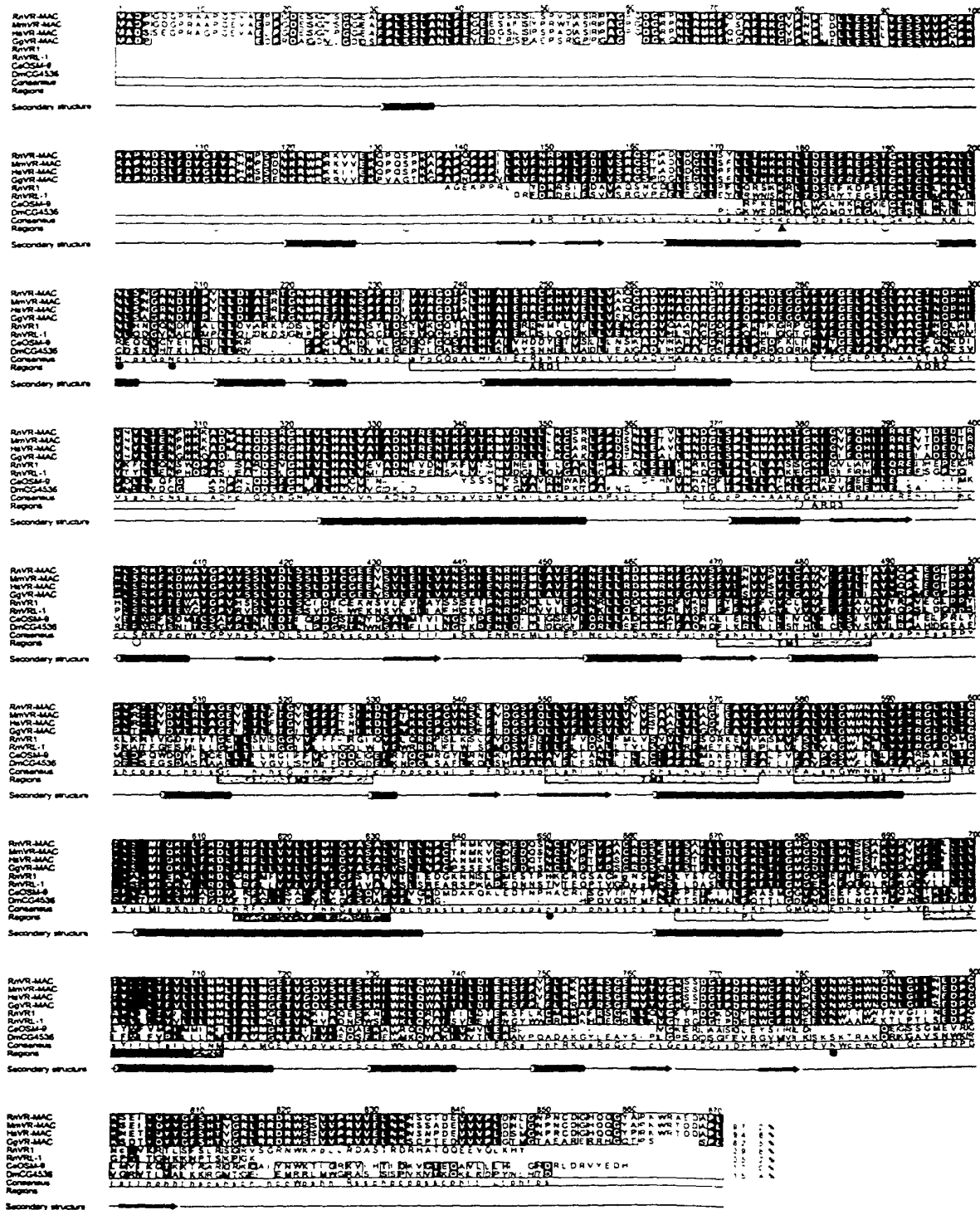


Figure 5

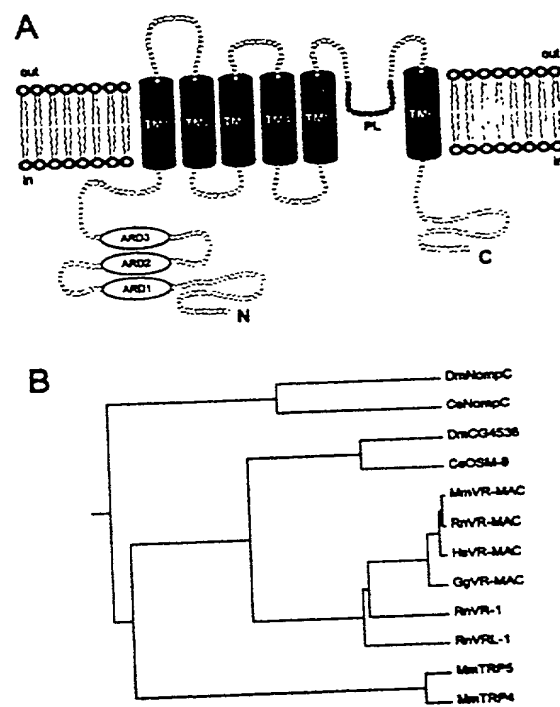


Figure 6

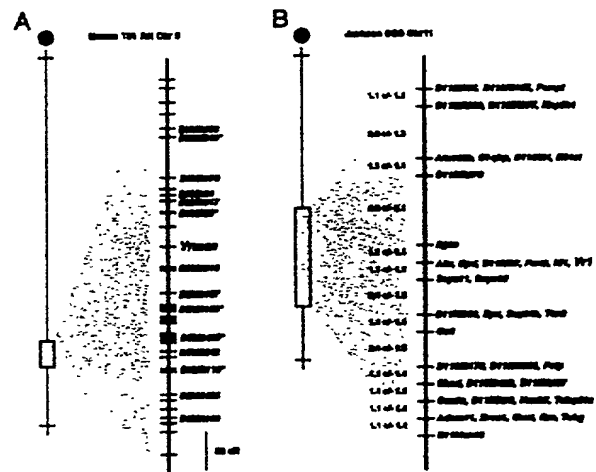


Figure 7

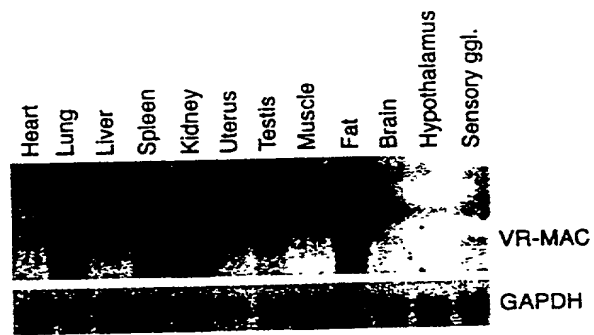


Figure 8

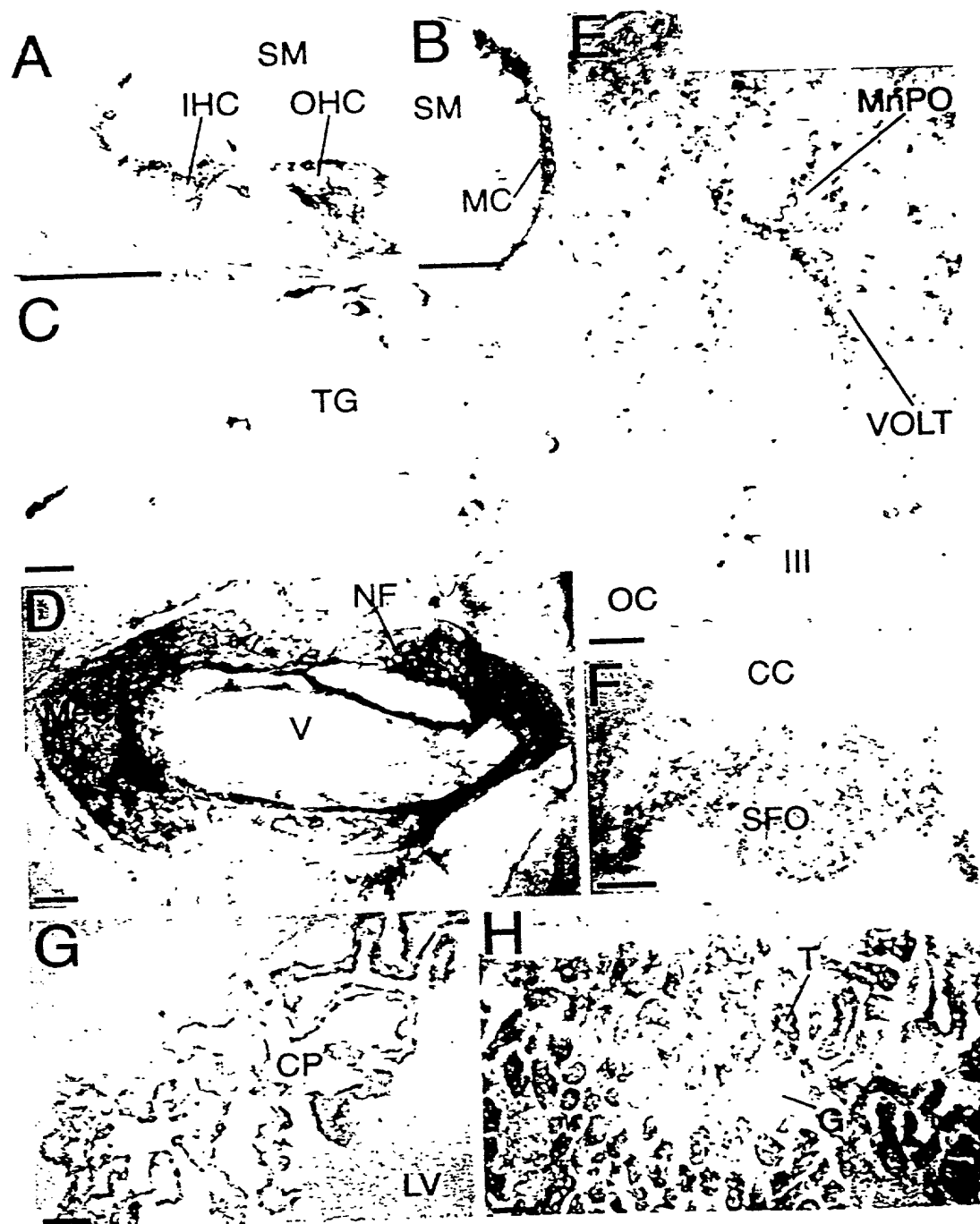


Figure 9

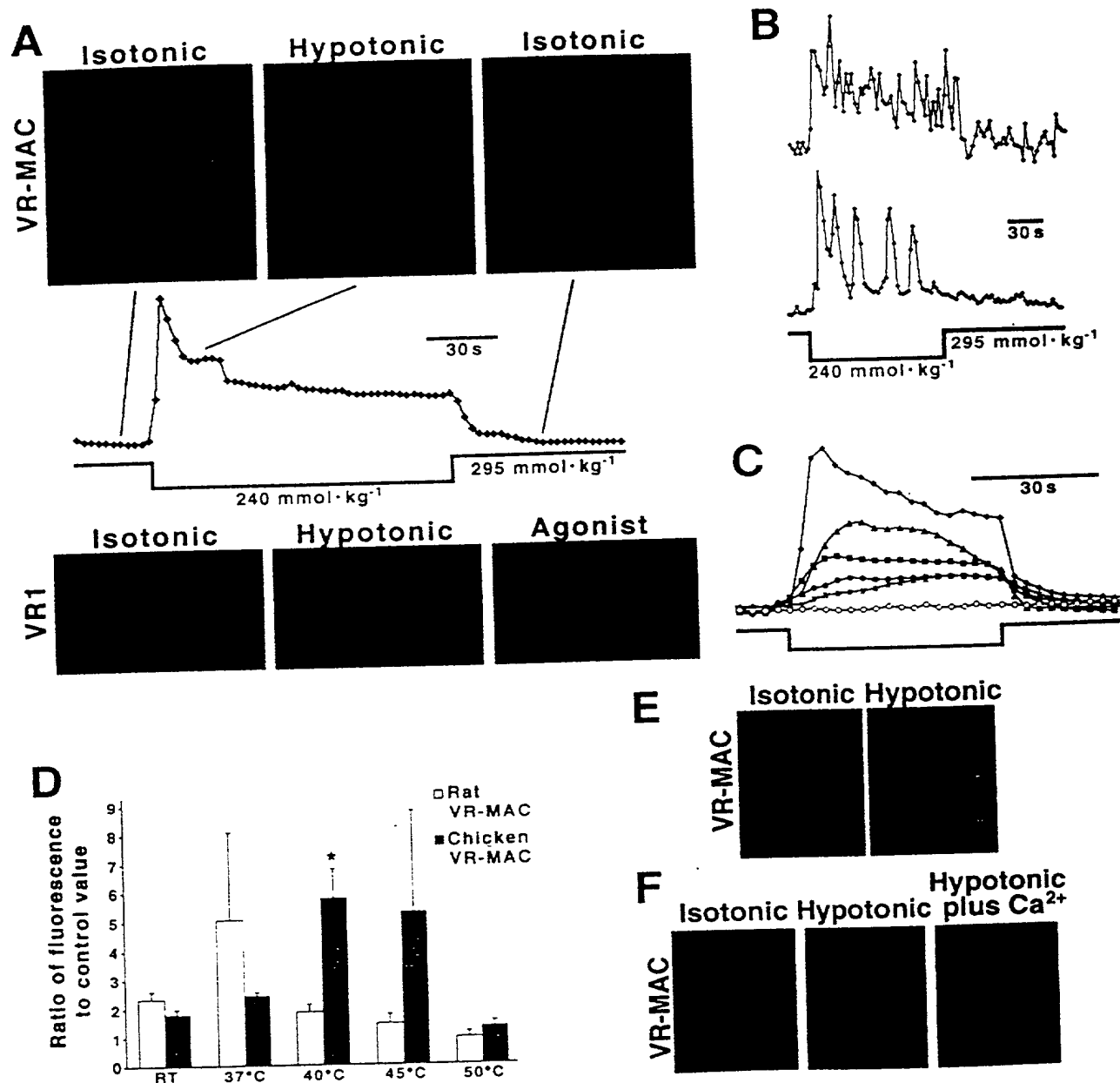


Figure 10

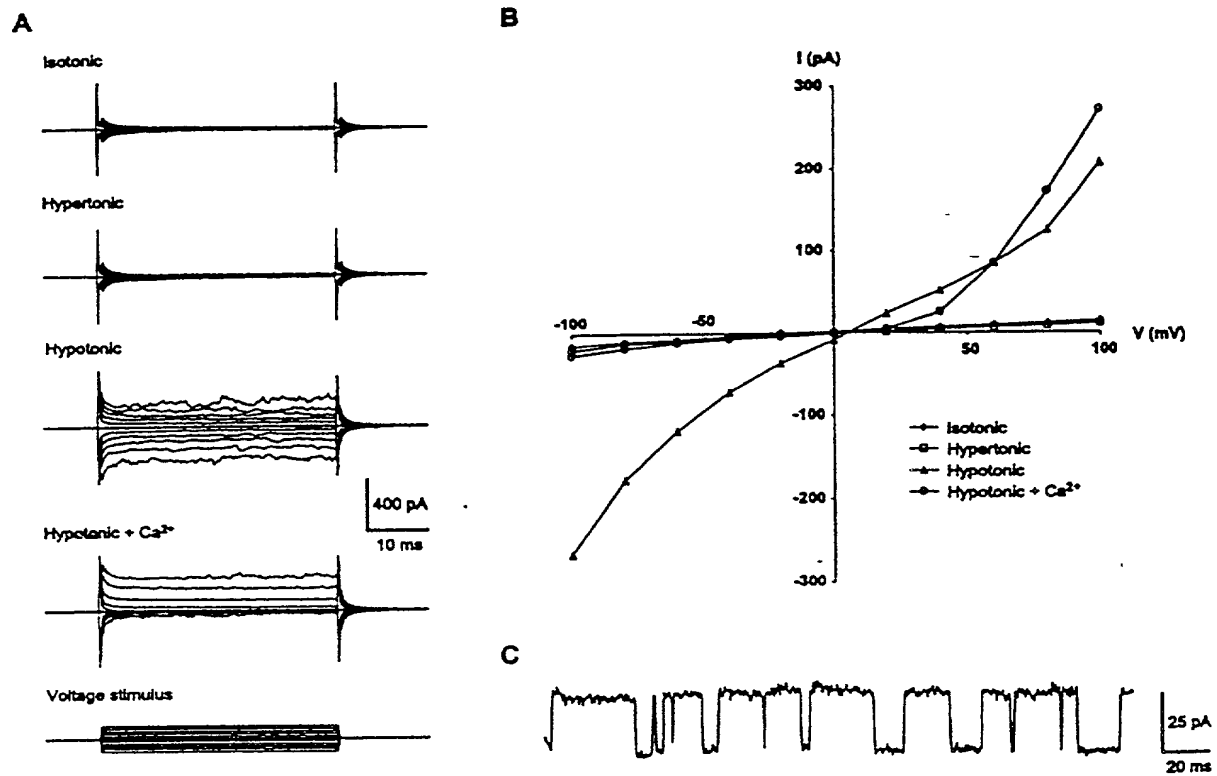


Figure 11

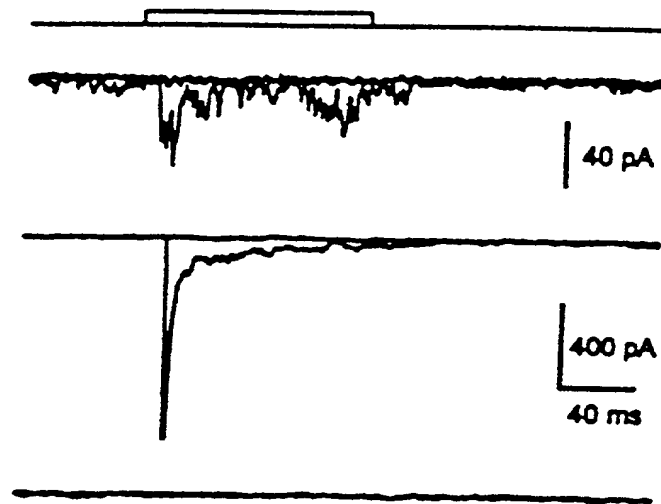


Figure 12

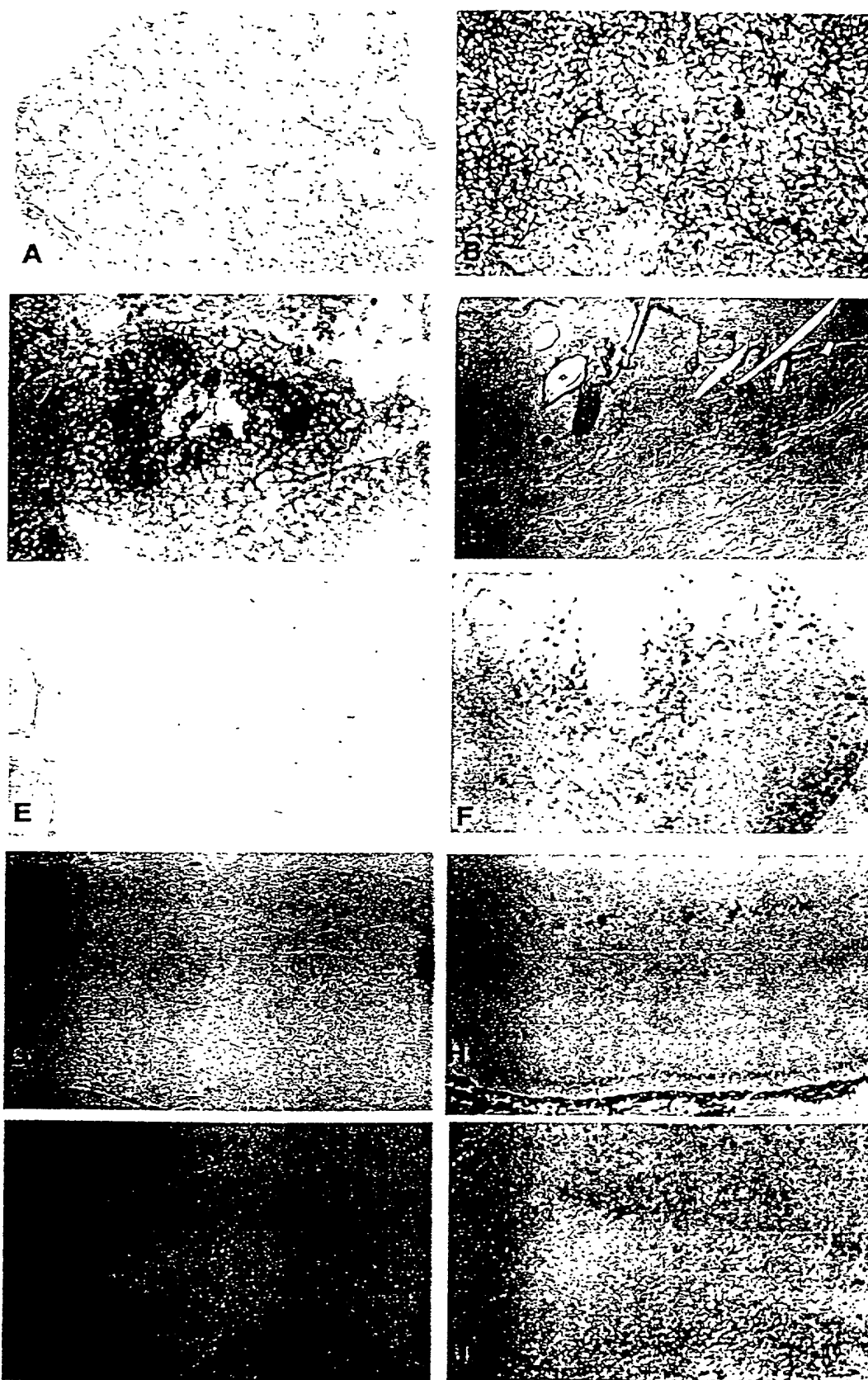


Figure 13

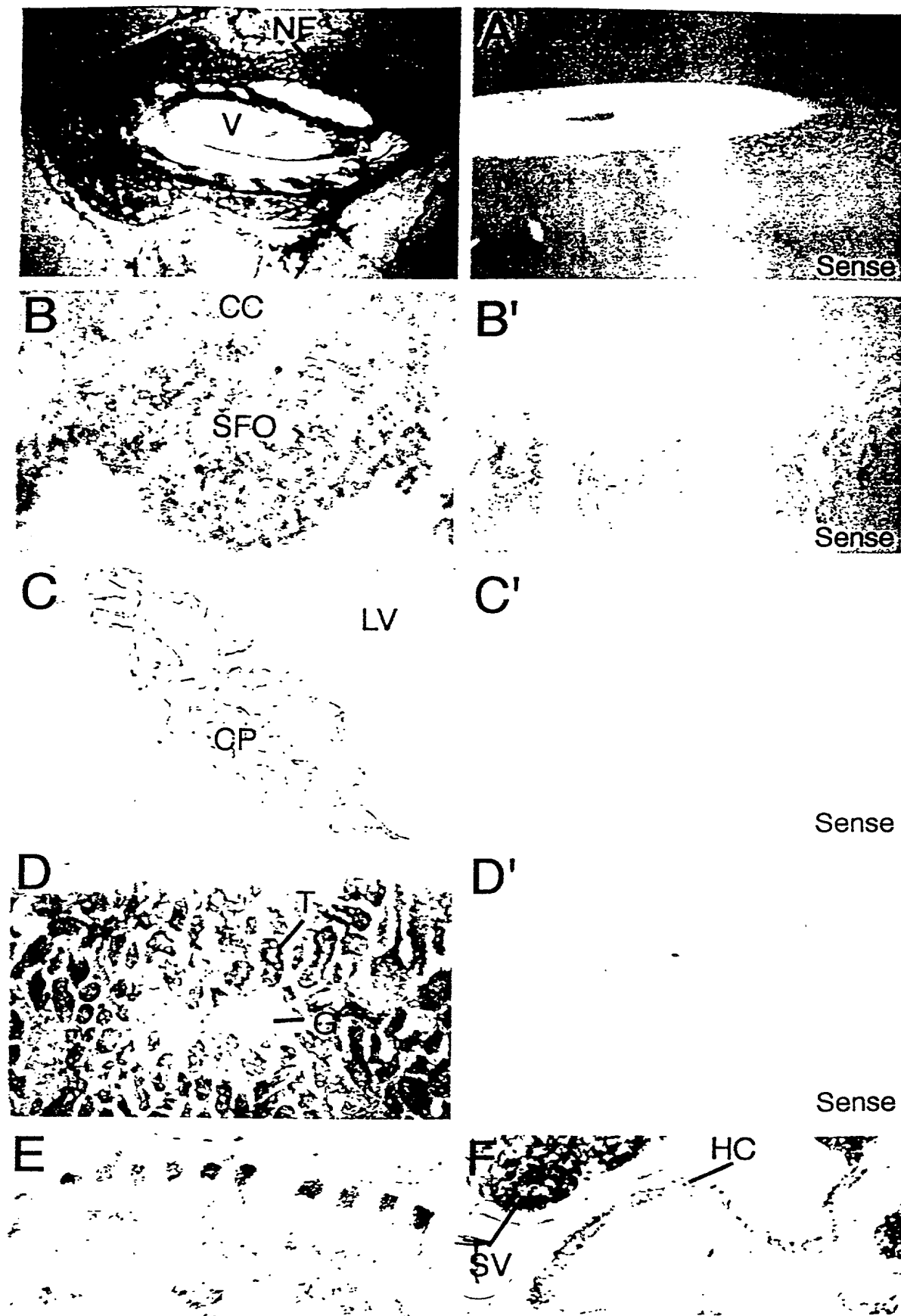


Figure 14

osmotic avoidance/  
basic paradigm

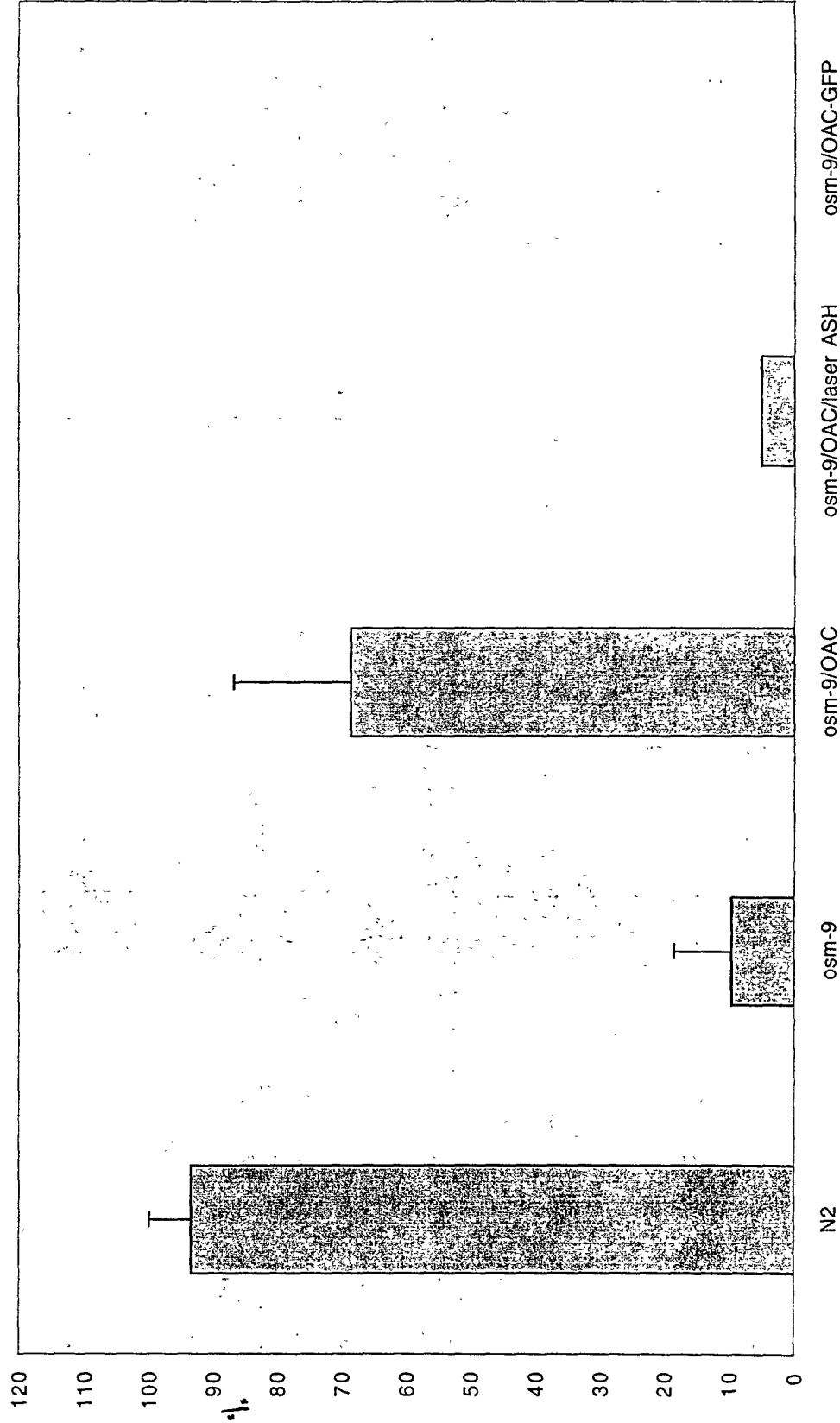


Figure 15A

**nose touch  
basic paradigm**

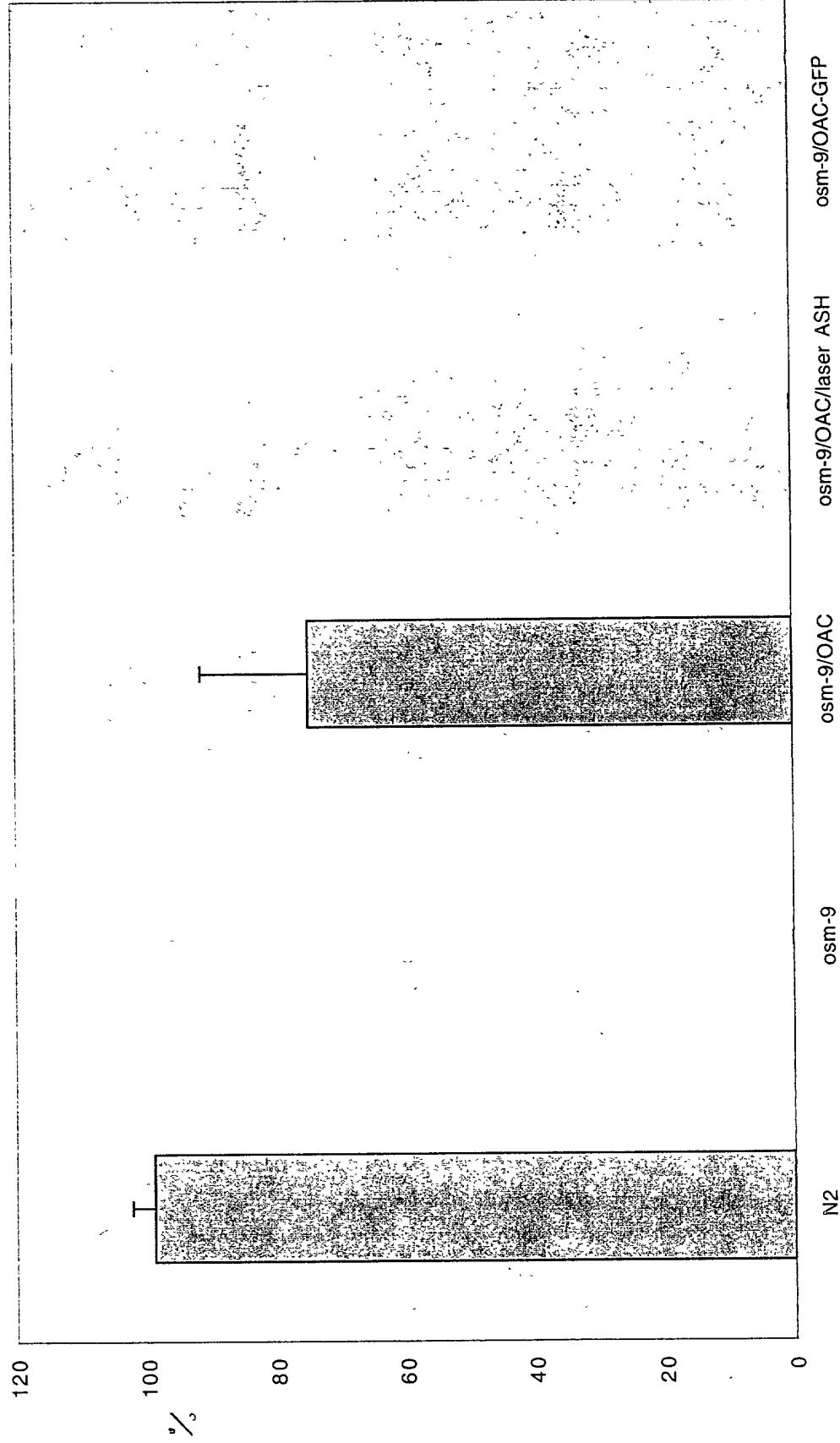


Figure 15B

nose touch  
alternate mechanosensory pathway

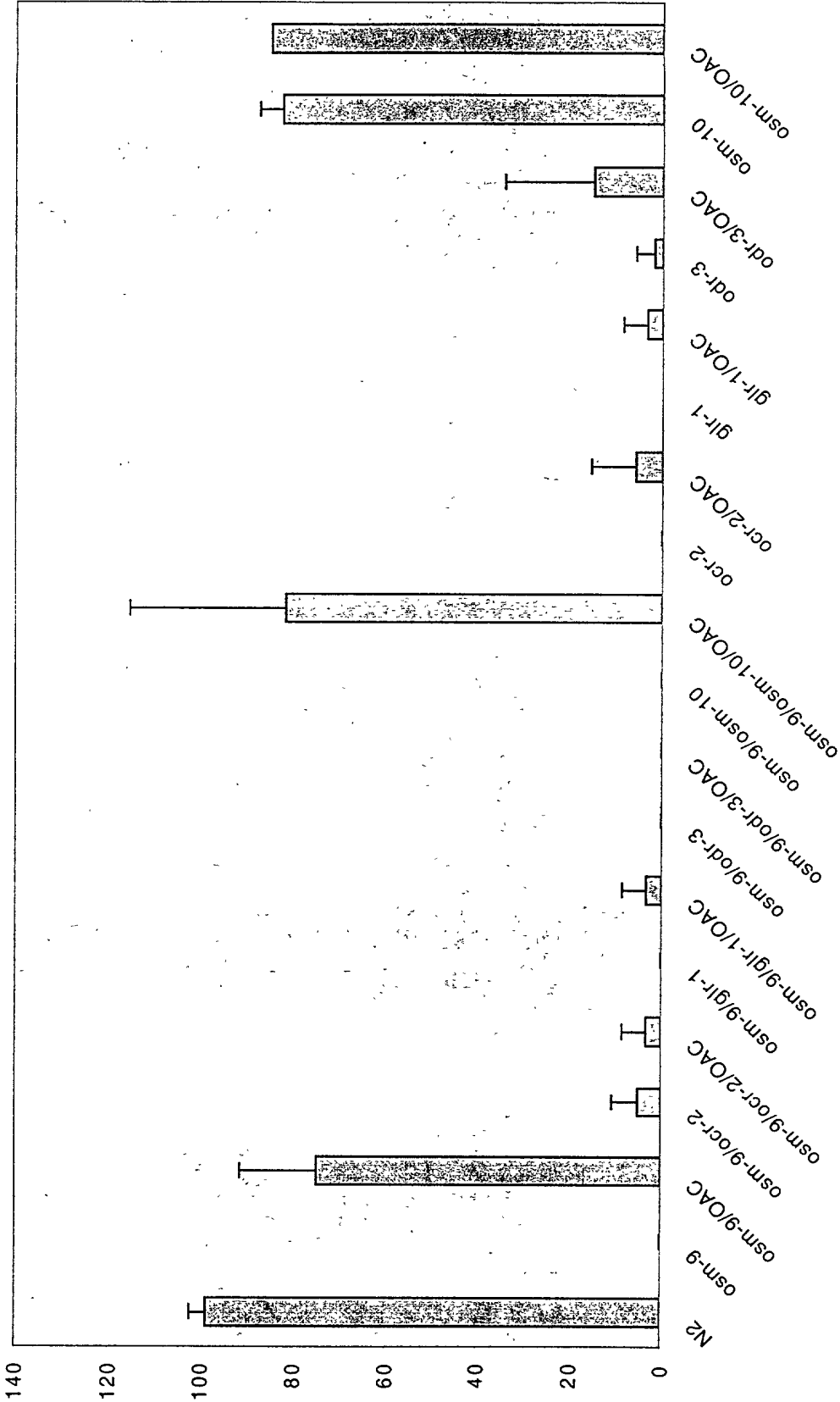


Figure 16A

**osmotic avoidance**  
**alternate mechanosensory pathway**

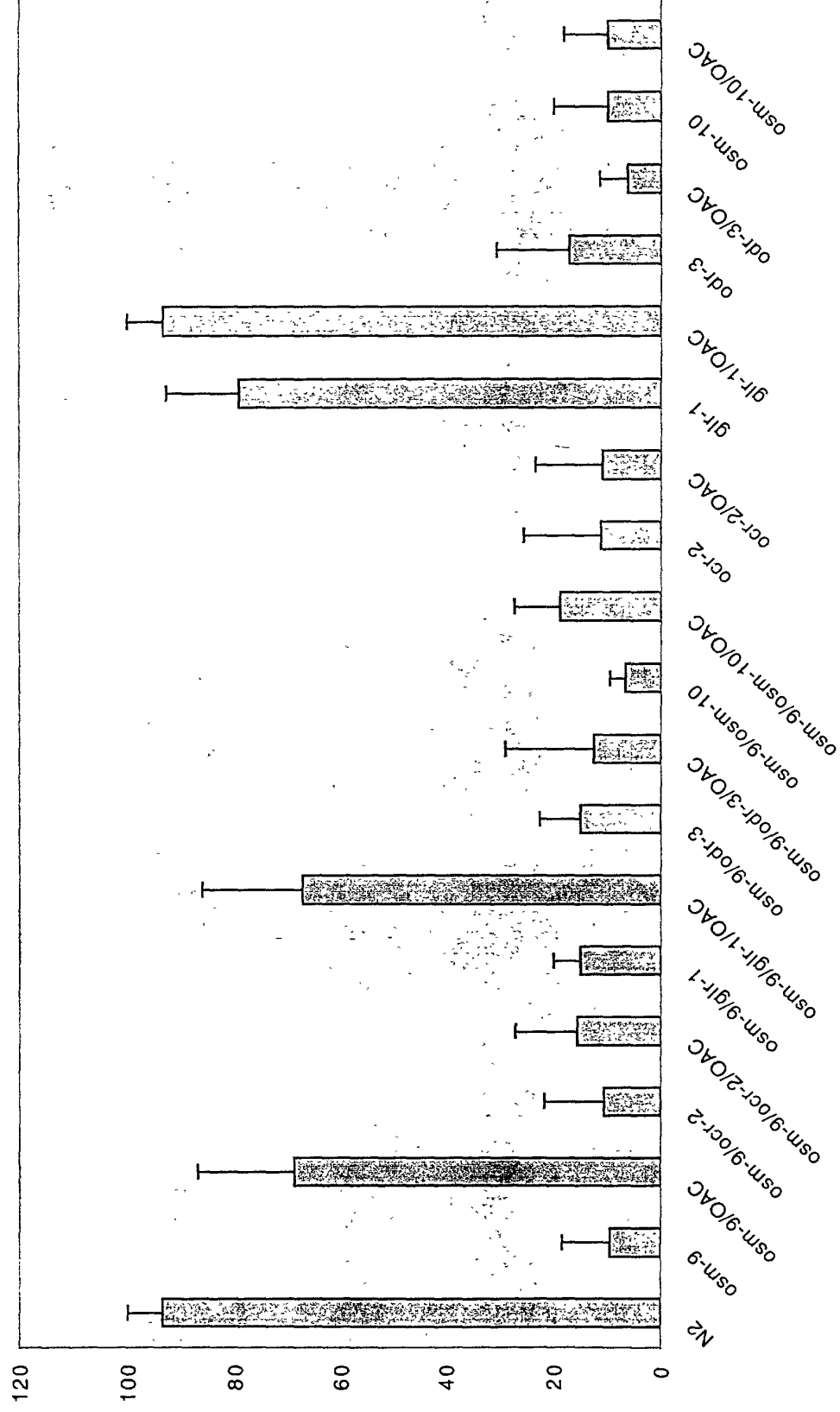


Figure 16B

osmotic avoidance  
structure-function study

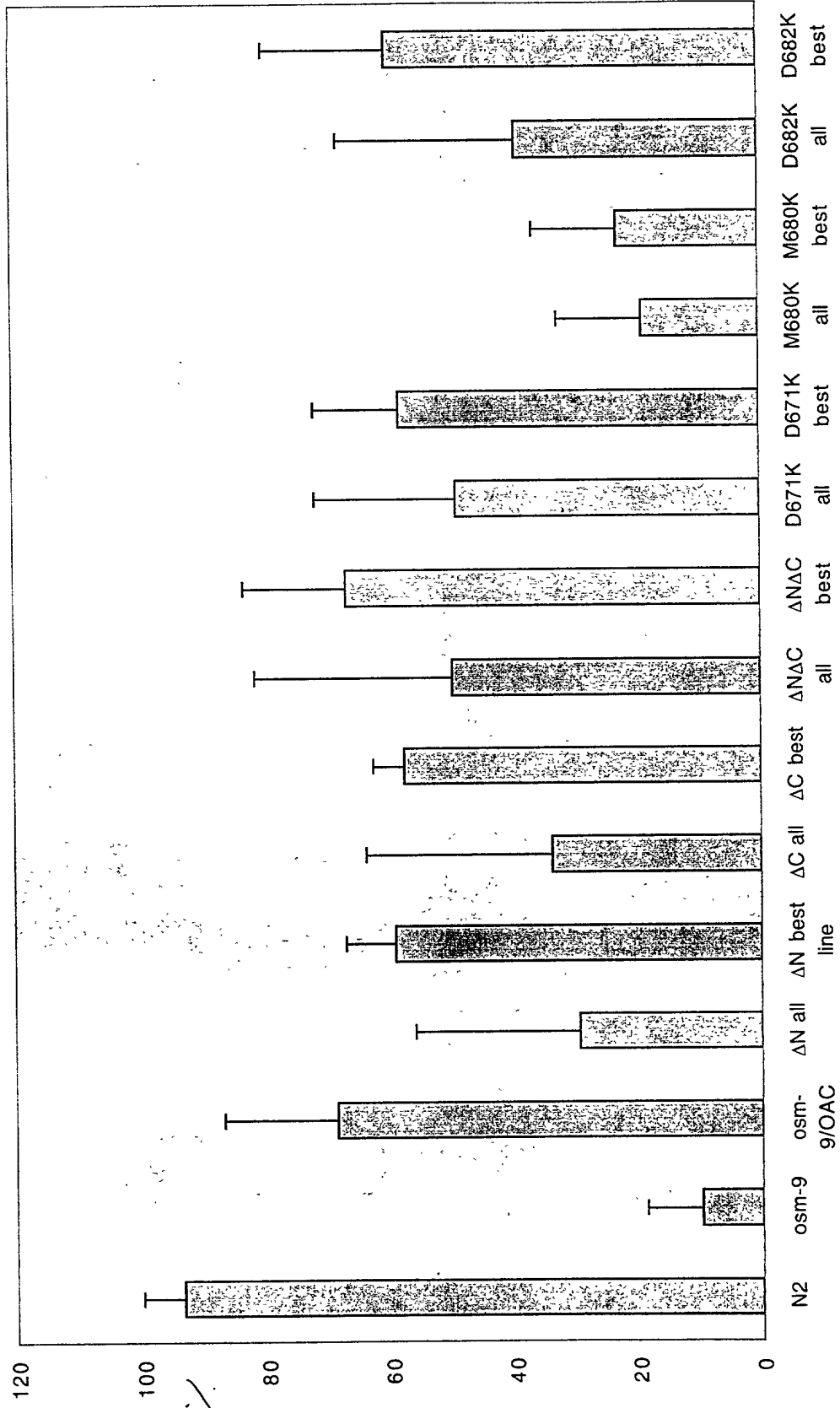


Figure 17A

600-1-287P

# nose touch structure-function study

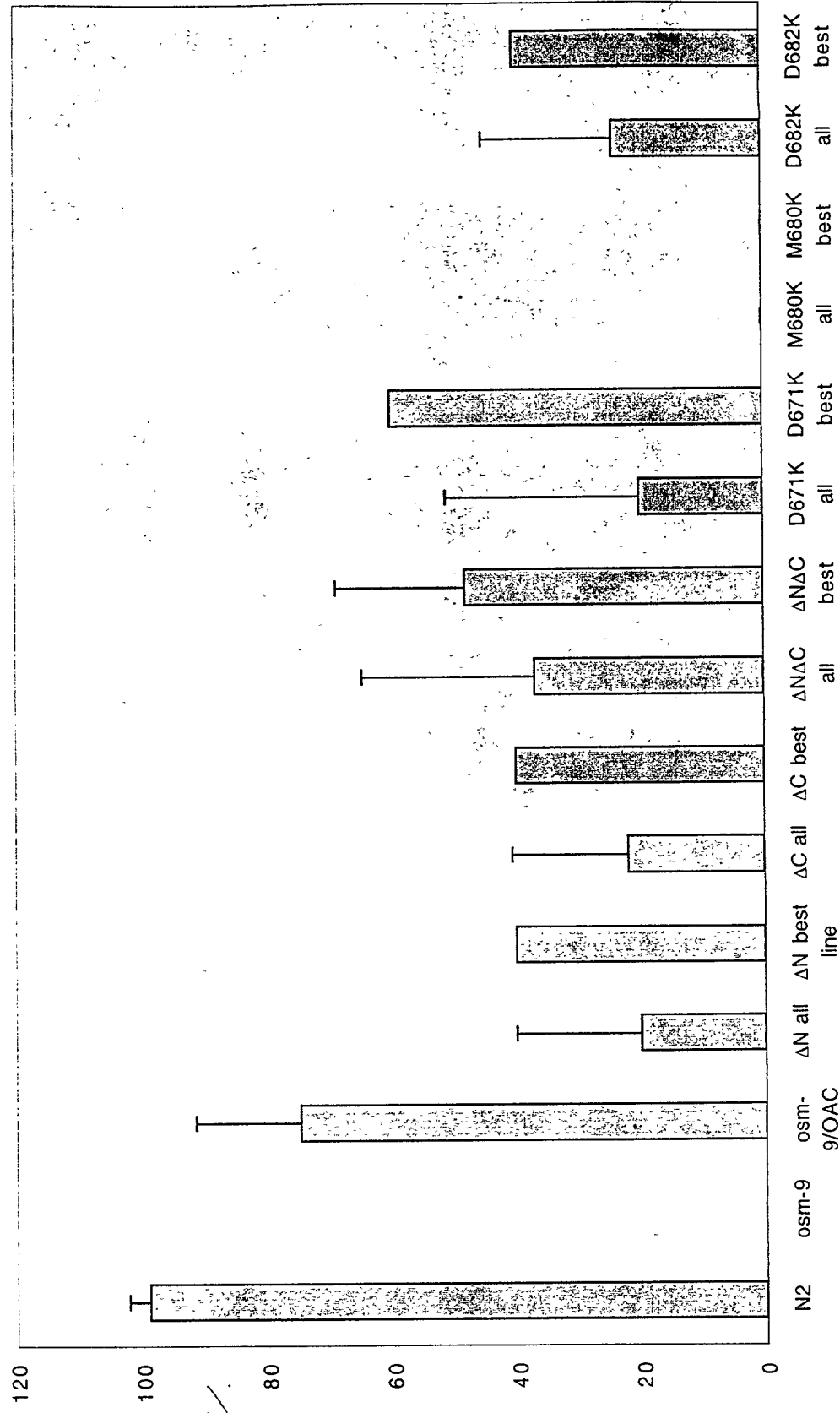


Figure 17B